

# JRA1 ITCZ Cluster Tasks & Timesheets

## What, Who, When To Do + How To Report

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# JRA1 ITCZ Work Breakdown Structure

- There are three WBS's, all representing the same tasks, but each with different level of details and usage:
- **Official JRA1 WBS**
  - <https://edms.cern.ch/file/457199/1/EGEE.JRA1-ExecutionPlan-ImplementationV0.3.xls>
  - **To be used for the timesheets**
- **Official JRA1 ITCZ Development WBS**
  - Presented by Francesco P. at Cork (<http://lxmi.mi.infn.it/~prelz/grid/egEE/cork/>), and de facto endorsed by JRA1 Management
  - To provide some details on development activities to JRA1 Management
- **Detailed JRA1 ITCZ Development Internal WBS**
  - Detailed ITCZ development tasks, with actual assignments (Developer/Guardian Angel)
  - **To be used as actual schedule**

# Official JRA1 WBS – Initialisation Tasks

Task	Task Title	Artifact	Month Start	Month End	Effort INFN	Effort Datamat	Effort CESNET	Task explanation & comments
			m	m	pm	pm	pm	
<b>TJRA1.1</b>	<b>Implementation</b>							
<b>TJRA1.1.1</b>	<b>Initialisation tasks</b>							
<b>TJRA1.1.1.1</b>	<b>Define with other activities standards, tools, procedures, guides, methodologies (internal and cross-activity)</b>	<b>Procedures Catalogue</b>						<b>Related activities: JRA2 (Quality Assurance), SA1 (Operations)</b>
TJRA1.1.1.1.3	IT/CZ dev. Cluster		1	3	2.0	1.0	1.0	
<b>TJRA1.1.1.2</b>	<b>Set up development testbed</b>	<b>Web page with description, instructions</b>						
TJRA1.1.1.2.3	IT/CZ dev. Cluster		1	3	1.0			
<b>TJRA1.1.1.3</b>	<b>Set up development infrastructure: build system, CVS, webpages, documentation layout</b>	<b>Web page with description, instructions and links to all the modules</b>						<b>In collaboration with the integration group; CVS, autobuild are central services run by integration</b>
TJRA1.1.1.3.2	IT/CZ dev. Cluster		1	3	3.0		1.0	
<b>TJRA1.1.1.4</b>	<b>Prepare and provide the initial training to new comers (standards, tools, mw components)</b>	<b>Training</b>						<b>In collaboration with NA3 (User Training and Induction)</b>
TJRA1.1.1.4.3	IT/CZ dev. Cluster		1	12	1.0	1.0	1.0	

# Official JRA1 WBS – Recurrent Tasks

Task	Task Title	Artifact	Month Start	Month End	Effort INFN	Effort Datamat	Effort CESNET	Task explanation & comments
			m	m	pm	pm	pm	
	<b>Recurrent tasks</b>							
<b>TJRA1.1.2</b>	<b>Administration and support of development testbed</b>							
TJRA1.1.2.3	IT/CZ dev. Cluster		1	12	6.0		1.0	
<b>TJRA1.1.3</b>	<b>Contribution to cross-activity tasks (integration, quality, architecture, security)</b>							
TJRA1.1.3.1	Integration activities		1	12	3.0			
TJRA1.1.3.2	Quality activities		1	12	3.0		1.0	
TJRA1.1.3.3	Architecture		1	12		3.0		
TJRA1.1.3.4	Security		1	12			3.0	
<b>TJRA1.1.4</b>	<b>Development</b>							<b>Full Development cycle: design, implementation, testing, documentation</b>
TJRA1.1.4.3	IT/CZ dev. Cluster		1	12	141.0	43.0	37.0	
<b>TJRA1.1.5</b>	<b>Support</b>							<b>Support to testing team, end-user support, maintenance (reduced, since no LCG-2 maintenance)</b>
TJRA1.1.5.3	IT/CZ dev. Cluster		1	12	8.0	2.0	2.0	
<b>TJRA1.1.6</b>	<b>External interactions</b>							<b>Standardization bodies, other projects, conferences</b>
TJRA1.1.6.3	IT/CZ dev. Cluster		1	12	3.0	2.0	2.0	
<b>TJRA1.1.7</b>	<b>Task Management</b>							<b>Subtasks: Deliverables, reports, project meetings</b>
TJRA1.1.7.1	Cluster Management		1	12	15.0	4.0		
TJRA1.1.7.3	Deliverables		1	12	3.0	2.0	1.0	
TJRA1.1.7.4	Reports		1	12	3.0	2.0	1.0	
TJRA1.1.7.5	Project meetings		1	12	6.0	3.0	2.0	
<b>Total effort (PM)</b>					<b>198.0</b>	<b>63.0</b>	<b>53.0</b>	<b>For the first year</b>
<b>Total effort (FTE)</b>					<b>16.5</b>	<b>5.3</b>	<b>4.4</b>	

# Official JRA1 WBS – ITCZ Open Points

- INFN internal allocation:
  - Up to Francesco P. to decide which INFN site does what (apart from Development, see next slides)
- Americans:
  - How UChicago, USC, UW-Madison will collaborate with ITCZ Cluster?

# Detailed JRA1 ITCZ Development Internal WBS - Migration

Task	Task Title	Artifact	Month Start	Month End	Effort INFN	CNAF	INFN-CT	INFN-MI	INFN-PD	INFN-TO	Effort Datamart	Effort CESNET	Total effort ITCZ	Task explanation & comments	
			m	m	pm						pm	pm	pm		
			1	12	141.0						43.0	37.0	221.0		
			1	6	67.0	24.0	10.0	9.0	15.0	9.0	18.0	18.0	103.0		
TJRA1.4.3	Development - IT/CZ dev. Cluster	Note: this detailed plan spans from M1 to M6 only	1	12										Full Development cycle: design, implementation, testing, documentation	
TJRA1.4.3.1	UI migration		1	3							3.0		3.0	EDG WMS UI components migration to EGEE	DAT
TJRA1.4.3.2.1	NS migration		1	3	2.0		2.0						2.0	EDG WMS NS components migration to EGEE	INFN-CT
TJRA1.4.3.2.2	WM migration		1	3	1.5	1.5							1.5	EDG WMS Workload Management components migration to EGEE	CNAF
TJRA1.4.3.2.3	MM/II migration		1	3	2.0		2.0						2.0	EDG WMS Matchmaking/Info Indexing components migration to EGEE	INFN-CT
TJRA1.4.3.2.4	JS migration		1	3	2.0				2.0				2.0	EDG WMS Job Submission components migration to EGEE	INFN-PD
TJRA1.4.3.2.5	Interactive Job Support migration		1	3	1.0			1.0					1.0	EDG WMS Interactive Job Support components migration to EGEE	INFN-MI
TJRA1.4.3.3	LB migration		1	3								4.0	4.0	EDG WMS LB components migration to EGEE	CESNET
TJRA1.4.3.4	DGAS migration		1	3	1.5					1.5			1.5	EDG WMS Grid Accounting components migration to EGEE	INFN-TO
TJRA1.4.3.5	VOMS migration		1	3	2.0	2.0							2.0	EDG VOMS components migration to EGEE	CNAF

# Detailed JRA1 ITCZ Development Internal WBS – re-engineering + test + packaging

Task	Task Title	Artifact	Month Start	Month End	Effort INFN	CNAF	INFN- CT	INFN- MI	INFN- PD	INFN- TO	Effort Datama t	Effort CESNE T	Total effort ITCZ	Task explanation & comments	
			m	m	pm						pm	pm	pm		
TJRA1.4.3.6	UI re-engineering		3	6	0.5					0.5	2.0		2.5	Web Services based UI/API components for EGEE, including code review , unit testing and documentation	Dev: DAT Guardian Angel (GA): INFN-TO
TJRA1.4.3.7.1	NS re-engineering		3	6	1.0				1.0		4.0		5.0	Web Services based NS components for EGEE, including code review , unit testing and documentation	Dev: DAT GA: INFN-PD
TJRA1.4.3.7.2	WM re-engineering		3	6	6.0	5.0			1.0				6.0	WM components for EGEE, including code review , unit testing and documentation	Dev: CNAF GA: INFN-PD
TJRA1.4.3.7.3	MM/II re-engineering		3	6	3.0		3.0				1.0		4.0	MM/II components for EGEE, including code review , unit testing and documentation	Dev: INFN-CT GA: DAT
TJRA1.4.3.7.4	JS re-engineering		2	6	6.0			1.0	5.0				6.0	JS components for EGEE, including code review , unit testing and documentation	Dev: INFN-PD GA: INFN-MI
TJRA1.4.3.7.5	Interactive Job Support re-engineering		3	6	2.5	0.5		2.0					2.5	Interactive Job Support for EGEE, including code review , unit testing and documentation	Dev: INFN-MI GA: CNAF
TJRA1.4.3.7.6	Resource Information Supermarket		2	6	5.5	4.5			1.0				5.5	Resource Information Supermarket (a repository of resource information, populated asynchronously and able to refer to multiple Information Services 'sources'), including code review , unit testing and documentation	Dev: CNAF GA: INFN-PD
TJRA1.4.3.7.7	Strategy module developers toolkit		3	6	1.0		1.0				4.0		5.0	Strategy module developers toolkit for new pluggable matchmaking strategies, including code review , unit testing and documentation	Dev: DAT GA: INFN-CT
TJRA1.4.3.7.8	Policy-based brokering components		4	6	2.0	2.0							2.0	New pluggable Policy-based brokering components, including code review , unit testing and documentation	Dev: CNAF GA: ?
TJRA1.4.3.7.9	Data Movement		2	6	5.0	1.0		4.0					5.0	Data Movement within DAGs for EGEE, including code review , unit testing and documentation	Dev: INFN-MI GA: CNAF

# Detailed JRA1 ITCZ Development Internal WBS – re-engineering + test + packaging (cont'd)

Task	Task Title	Artifact	Month Start	Month End	Effort INFN	CNAF	INFN- CT	INFN- MI	INFN- PD	INFN- TO	Effort Datama t	Effort CESNE T	Total effort ITCZ	Task explanation & comments	
			m	m	pm						pm	pm	pm		
TJRA 1.4.3.8.1	LB re-engineering		3	6	1.0		1.0					6.0	7.0	Web Services based LB components for EGEE, including code review , unit testing and documentation	Dev: CESNET GA: INFN-CT
TJRA 1.4.3.8.2	Holub		2	6	1.0		1.0					6.0	7.0	LB Notification Messenger, including code review , unit testing and documentation	Dev: CESNET GA: INFN-CT
TJRA 1.4.3.9	Accounting re-engineering		3	6	4.0					4.0	4.0		8.0	Accounting components for EGEE, including code review , unit testing and documentation, plus analysis of some real-life use cases for Grid Accounting	Dev: INFN-TO GA: DAT
TJRA 1.4.3.10	VOMS re-engineering		3	6	4.0	4.0							4.0	VOMS components for EGEE, including code review , unit testing and documentation	Dev: CNAF GA: ?
TJRA 1.4.3.11	Resource Access		1	6	6.5	0.5		1.0	5.0			2.0	8.5	Resource Access components for EGEE (including participation to ARDA prototype), including code review , unit testing and documentation	Dev: INFN-PD + INFN-MI GA: CESNET + CNAF
TJRA 1.4.3.12	Cluster Test coordination		1	6	3.0					3.0			3.0	Cluster-wide Testsuite and Test Coordination	INFN-TO
TJRA 1.4.3.13	Packaging		1	6	3.0	3.0							3.0	Overall Packaging Maintenance	CNAF



# Timesheets

- According to Official JRA1 WBS
- Rules: <http://egee-jra2.web.cern.ch/EGEE-JRA2/TimeSheet/TimeSheet.htm>, to be assessed with April timesheets
- This is the loop:
  - Individuals prepare their timesheets, according to the template in <https://edms.cern.ch/document/458960> by 3rd day of the month, and submit to the Partner supervisor
  - Partner supervisor collates all Individual timesheets, and sends to Federation
  - Federation collates all Partners and sends to PO
  - PO separates by Activity and sends to Activity Manager
  - Activity Manager checks and gives results to PO